

ATOF® BLADE FUSE RATED 32V

Tämä sulake korvaa

RoHS


Description

Developed by Littelfuse for the automotive industry, the ATOF® fuse has become the original equipment circuit protection standard for foreign and domestic automobiles and trucks. Readily identifiable and easily replaced, this fuse can be specified for a variety of low voltage electronic applications.

Specifications

Voltage Rating:	32 VDC
Interrupting Rating:	1000A @ 32 VDC
Operating Temperature Range:	-40°C to +105°C
Terminals:	Sn plated

Ordering Information

Part Number	Package Size
0287xxx.PXCN	2000
0287xxx.H	100

Time-Current Characteristics

% of Rating	Opening Time	Opening Time Min / Max (s)
100	35-40	360,000 s / -
110	1-30	360,000 s / -
135	1-2 3-40	350ms / 600 s 0.750 s / 600 s
200	1-2 3-40	100 ms / 5.0 s 0.150 s / 5.0 s
350	1-2 3-40	20 ms / 500 ms 80 ms / 500 ms
600	1-30 35-40	- / 100 ms - / 150 ms

Ratings

Part Number	Current Rating	Housing Color	Typ. Voltage Drop	Cold Resistance	I ² t
0287001_	1 A	Black	176 mV	123 mΩ	0.4 A ² s
0287002_	2 A	Grey	141 mV	53.5 mΩ	1.4 A ² s
0287003_	3 A	Purple	137 mV	31.1 mΩ	7.4 A ² s
0287004_	4 A	Pink	136 mV	22.8 mΩ	14 A ² s
0287005_	5 A	Brown	128 mV	17.85 mΩ	26 A ² s
028707.5_	7.5 A	Dark Brown	116 mV	10.91 mΩ	60 A ² s
0287010_	10 A	Red	109 mV	7.70 mΩ	115 A ² s
0287015_	15 A	Blue	102 mV	4.80 mΩ	340 A ² s
0287020_	20 A	Yellow	98 mV	3.38 mΩ	520 A ² s
0287025_	25 A	White	92 mV	2.52 mΩ	1080 A ² s
0287030_	30 A	Green	84 mV	1.97 mΩ	1510 A ² s
0287035_	35 A	Dark Green	87 mV	1.61 mΩ	2280 A ² s
0287040_	40 A	Orange	96 mV	1.44 mΩ	3310 A ² s

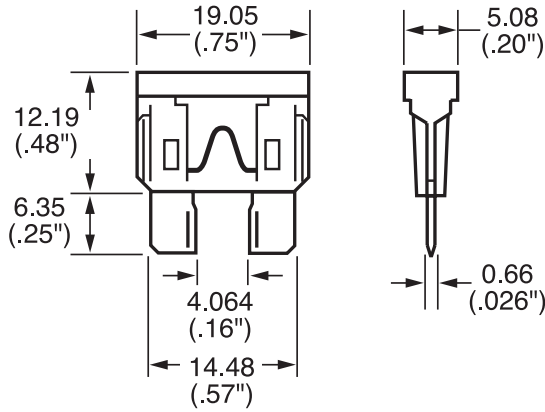
Corresponding holder see Section "Fuse Holders."

ATOF® BLADE FUSE RATED 32V

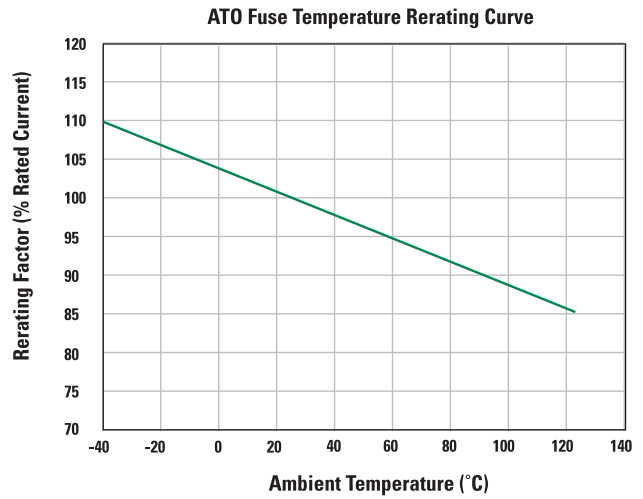
RoHS

Dimensions

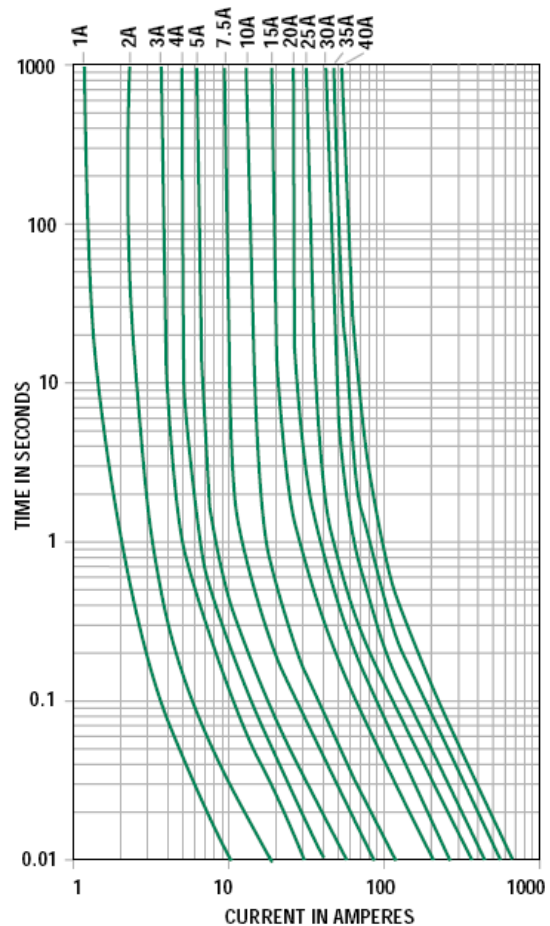
Dimensions in mm



Temperature Rerating Curve



Time-Current Characteristic Curves



FKS ATO® STYLE BLADE FUSE RATED 32V

RoHS

Tämä sulake jää pois



Specifications

Interrupting Rating:	1000 A @32 VDC
Insulating body:	Out of thermoplastic (UL 94-V0, heat-resistant)
Cover:	Out of thermoplastic (V0, transparent), Visible melting-element Shunt: red, not transparent
Terminals:	Blade contacts Copper alloy, gal. Sn plated Edge-protected
Complies with:	DIN 72581-3C ISO 8820-3

Ordering Information

Part Number	Package Size
162.6185.xxx6	100
162.6185.xxx2	2000
164.6185.xxx2	2000
















Description

The FKS-32 is an ATO® style blade fuse rated at 32V, featuring a three part construction with copper contacts for excellent reliability in harsh environment conditions and low voltage drop. Current ratings 0.5A thru 40A. With see-through cover for easy detection of blown fuses.

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	360,000 s / -
150	0.750 s / 1,800 s
200	0.150 s / 5 s
350	0.040 s / 0.500 s
600	0.020 s / 0.100 s

Ratings

Part Number	Current Rating	Housing Color	Typ. Voltage Drop		Cold Resistance	I²t
			Standard DIN max.	Littelfuse max.		
162.6185.350_	0.5 A*		-	320 mV	450 mΩ	0.70 A²s
162.6185.410_	1 A		-	150 mV	108 mΩ	2.00 A²s
162.6185.420_	2 A		-	130 mV	47.2 mΩ	8.00 A²s
162.6185.430_	3 A		175 mV	140 mV	30.5 mΩ	15.0 A²s
162.6185.440_	4 A		175 mV	120 mV	22.5 mΩ	25.0 A²s
164.6185.450_	5 A		175 mV	145 mV	16.5 mΩ	35.0 A²s
164.6185.475_	7.5 A		150 mV	115 mV	11.5 mΩ	60.0 A²s
164.6185.510_	10 A		125 mV	95 mV	6.80 mΩ	110 A²s
164.6185.515_	15 A		125 mV	90 mV	4.50 mΩ	250 A²s
164.6185.520_	20 A		125 mV	90 mV	3.40 mΩ	648 A²s
164.6185.525_	25 A		110 mV	80 mV	2.50 mΩ	600 A²s
164.6185.530_	30 A		100 mV	80 mV	1.85 mΩ	1,070 A²s
162.6185.535_	35 A*		100 mV	75 mV	1.50 mΩ	1,600 A²s
162.6185.540_	40 A*		100 mV	100 mV	1.35 mΩ	2,000 A²s
160.6185.000_	Shunt*		-	42 mV	0.73 mΩ	9,000 A²s

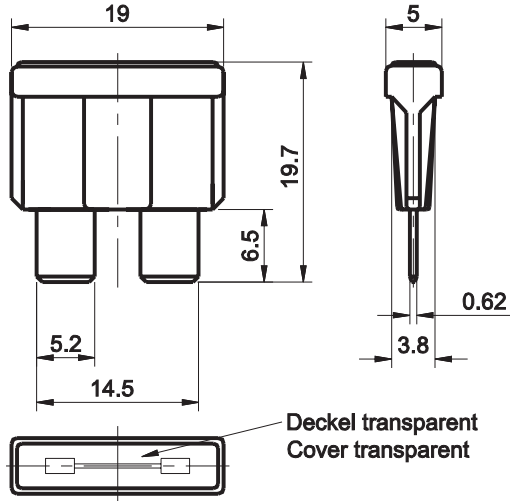
* Not mentioned in the standards Corresponding holder see Section "Fuse Holders."

FKS ATO® STYLE BLADE FUSE RATED 32V

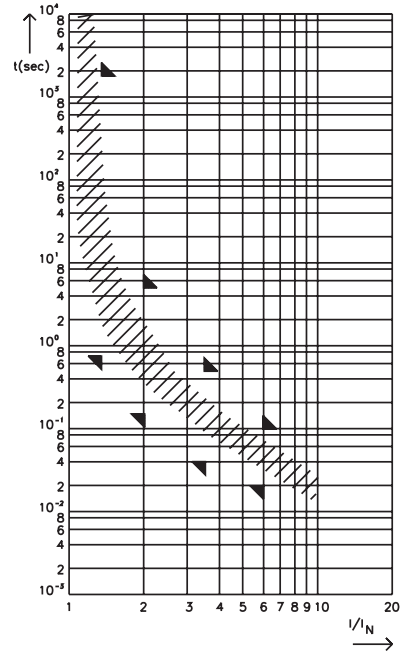
RoHS

Dimensions

Dimensions in mm



Pre-arcing Time-limits



FI = 1.33 (max. operating current: $0.75 \times I_{rat}$ at 23°C)

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Specifications

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Interrupting Rating:	1000A @ 32 VDC
Operating Temperature Range:	-40°C to +105°C
Terminals:	Sn plated zinc alloy
Complies with:	ISO 8820-3 UL 248 Special Purpose Fuses

Ordering Information

Part Number	Package Size
0257xxx.L	50
0257xxx.U	500
0257xxx.PXPV	2000

Time-Current Characteristics

% of Rating	Current Rating	Opening Time Min / Max (s)
100	35-40	360,000 s / -
110	1-30	360,000 s / -
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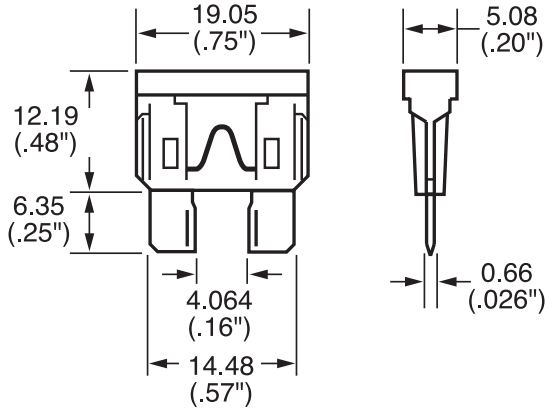
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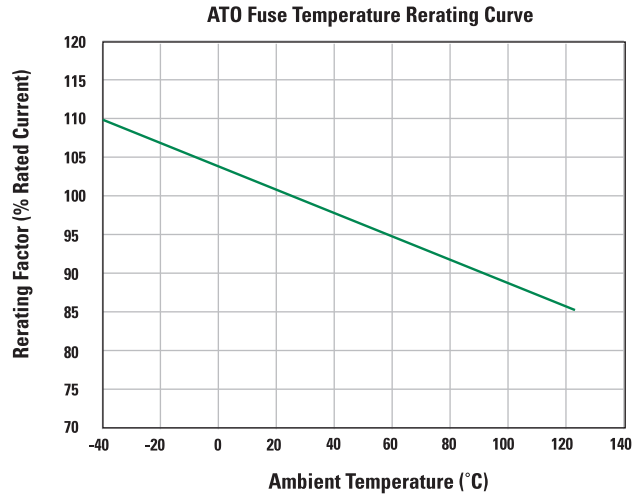
RoHS

Dimensions

Dimensions in mm



Temperature Derating Curve



Time-Current Characteristic Curves

